

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ :	B32B 1/08, 7/12, 15/04, 27/32	A1	(11) International Publication Number: WO 98/38035 (43) International Publication Date: 3 September 1998 (03.09.98)
(21) International Application Number:	PCT/US98/03914		(81) Designated States: AU, BR, CA, JP, NZ, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).
(22) International Filing Date:	27 February 1998 (27.02.98)		
(30) Priority Data:	08/808,093 28 February 1997 (28.02.97)	US	Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application	US 08/808,093 (CIP) Filed on 28 February 1997 (28.02.97)		
(71) Applicant (for all designated States except US):	VISKASE CORPORATION [US/US]; 6855 West 65th Street, Chicago, IL 60638 (US).		
(72) Inventors; and			
(75) Inventors/Applicants (for US only):	WILHOIT, Darrel, Loel [US/US]; 2290 East Weller Drive, Plainfield, IL 60544 (US). GEORGELOS, Paul, Nick [US/US]; 6 South 136 Cohasset Road, Naperville, IL 60540 (US).		
(74) Agent:	GREEN, Raymond, W.; Brinks Hofer Gilson & Lione, NBC Tower, Suite 3600, 455 North Cityfront Plaza Drive, Chicago, IL 60611-5599 (US).		

(54) Title: THERMOPLASTIC C₂- α -OLEFIN COPOLYMER BLENDS AND FILMS

(57) Abstract

A polymer blend, and mono- and multilayer films made therefrom, having improved properties such as heat sealing or puncture resistance, wherein the blend has a first polymer of ethylene and at least one α -olefin having a polymer melting point between 55 to 75 °C; a second polymer of ethylene and at least one α -olefin having a polymer melting point between 85 to 110 °C; a third thermoplastic polymer having a melting point between 115 to 130 °C; and optionally a fourth polymer, e.g. EVA, having a melting point between 90 to 100 °C.